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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/007,384	10/22/2001	Eiji Nishibe	10417-103001	9826
26211 7	590 09/30/2003			
FISH & RICHARDSON P.C.			EXAMINER	
45 ROCKEFELLER PLAZA, SUITE 2800 NEW YORK, NY 10111		2800	TRAN, TAN N	
			ART UNIT	PAPER NUMBER
			2826	
			DATE MAILED: 09/30/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

•		Application No.	Applicant(s)			
Office Action Summary		10/007,384	NISHIBE ET AL.			
		Examiner	Art Unit			
		TAN N TRAN	2826			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status						
1)🛛	Responsive to communication(s) filed on ame	endment filed on 07/28/03 .				
2a)⊠	This action is FINAL . 2b) Thi	is action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims						
4)⊠ Claim(s) <u>1-9</u> is/are pending in the application.						
4a) Of the above claim(s) <u>5-8</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-4 and 9</u> is/are rejected.						
·	7) Claim(s) is/are objected to.					
	Claim(s) are subject to restriction and/or	r election requirement.				
Application Papers						
9) The specification is objected to by the Examiner.						
10)[] 7	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)[] 7	The proposed drawing correction filed on	is: a)☐ approved b)☐ disappro	ved by the Examiner.			
	If approved, corrected drawings are required in reply to this Office action.					
12)[] 7	The oath or declaration is objected to by the Ex	aminer.				
Priority u	nder 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No					
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
1) Notice	e of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal P	(PTO-413) Paper No(s) · Patent Application (PTO-152)			

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DETAILED ACTION

Information Disclosure Statement

1. If applicant is aware of any relevant prior art, he/she requested to cite it on form PTO-1449 in accordance with the guidelines set forth in M.P.E.P. 609.

Oath/Declaration

2. The oath/declaration filed on 07/28/03 is acceptable.

Drawings

3. The proposed drawing correction and/or the proposed substitute sheets of drawings, filed on 07/28/2003 have been approved.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4,9 are rejected under 35 U.S.C. 102(b) as being anticipated by Malhi (5,286,995).

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With regard to claims 1,9, Malhi discloses a semiconductor device comprising: a thick oxide film 28b serves as a gate insulating film including a first gate insulating film and a second gate insulating film, both formed on a semiconductor layer; a gate electrode 26 formed to be bridged over the first gate insulating film and second gate insulating film; a body region 20 formed adjacent to the gate electrode 26; a source region 24 having an opposite conductive type to the body region 20 and formed within the body region 20; and a drain region 30 having the opposite conductive type to the body region 20 and formed at a position separated from the body region 20. (Note fig. 1 of Malhi).

Applicant's claim 1 does not distinguish over Malhi reference regardless of the process used to form the first gate insulating film because only the final product is relevant, not the process of making such as "LOCOS method".

Note that a "product by process" claim is directed to the product per se, no matter how actually made, In re Hirao, 190 USPQ 15 at 17 (footnote 3). See also In re Brown, 173 USPQ 685; In re Luck, 177 USPQ 523; In re Wertheim, 191 USPQ 90 (209 USPQ 554 does not deal with this issue); In re Fitzgerald, 205 USPQ 594, 596 (CCPA); In re Marosi et al., 218 USPQ 289 (CAFC); and most recently, In re Thorpe et al., 227 USPQ 964 (CAFC, 1985) all of which make it clear that it is the final product per se which must be determined in a "product by process" claim, and not the patentability of the process, and that, as here, an old or obvious product produced by a new method is not patentable as a product, whether claimed in "product by process" claims or not. Note that Applicant has burden of proof in such cases, as the above case law makes clear.

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With regard to claim 2, Malhi discloses the first gate insulating film have a tapered surface. (Note fig. 1 of Malhi).

With regard to claims 3,4, Malhi discloses the first gate insulating film is not formed at a position lower than at least a surface position of the semiconductor layer. (Note fig. 1 of Malhi). It is inherent that local current crowding is not produced between at least an edge portion of the body region 20 and an edge portion of the first insulating film because such structure of Malhi is formed the same that of applicant, so the structure of Malhi has the same functions as structure of applicant.

Response to Amendment

5. Applicant's arguments with respect to claims 1-4,9 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be

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calculated from the mailing date of the advisory action. In no event, however, will the statutory

period for reply expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning this communication or earlier communication from the examiner

should be directed to Tan Tran whose telephone number is (703) 305-3362. The examiner can

normally be reached on M-F 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nathan Flynn can be reached on (703) 308-6601. The fax phone numbers for the

organization where this application or proceeding is assigned are (703) 308-7722 for regular

communications and (703) 308-7724 for after final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0956.

TT

Sep 2003

Minhloan Tran **Primary Examiner** Page 5

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